



application Ser. No. 08/311,508, filed Sept. 23, 1994, which issued as U.S., Patent 5,540,680, which in turn was a continuation of U.S. Patent application Ser. No. 07/840,211, filed Feb. 24, 1992, which issued as U.S. Patent 5,354,295, which in turn was a continuation-in-part application of application serial no. 07/492,717, filed March 13, 1990, issued as U.S. Patent 5,122,136. --

In the Claims

Please cancel claims 25 – 29 and 35.

Please amend the claims as follows.

1      *Sub E!* 30. (once amended) An apparatus for use in combination with a catheter  
2      to form an occlusion within a body cavity comprising:  
3      a wire; and  
4      a detachable elongate tip portion coupled to a distal portion of said wire  
5      which is retrievable until detached, said tip portion being adapted to be  
6      positioned in said body cavity to form an occlusion in said body cavity using one  
7      or more implantations of detachable elongate tip portions from corresponding  
8      wires, said wire having a radioopaque marker disposed thereon proximal on said  
9      wire from a detachment point of said elongate tip portion from said wire by a  
10     predetermined distance, said catheter having two radioopaque markers disposed  
11     thereon and spaced apart from each other, wherein one of said two markers on



12 Said catheter is provided at a distal end of said catheter and said other marker is

13 positioned proximally thereof,

14 [The combination of claim 29] wherein said radioopaque markers are  
15 disposed on said [core] wire and said [micro]catheter so that when[, in use,] said  
16 wire is [slid] telescopically disposed in said microcatheter to approximately align  
17 said [core] wire's radioopaque marker with said more proximal [micro]catheter  
18 marker, said detachable elongate tip portion then [being] is fully [deployed]  
19 disposed in said [cavity] catheter and does not extend therefrom.

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1 31. (once amended) An apparatus for use in combination with a catheter

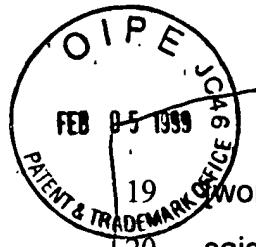
2 to form an occlusion within a body cavity comprising:

3 a wire; and

4 a detachable elongate tip portion coupled to a distal portion of said wire  
5 which is retrievable until detached, said tip portion being adapted to be  
6 positioned in said body cavity to form an occlusion in said body cavity using one  
7 or more implantations of said detachable elongate tip portions from  
8 corresponding wires, said wire having a radioopaque marker disposed thereon  
9 proximal on said wire from a detachment point of said elongate tip portion from  
10 said wire by a predetermined distance, said catheter having two radioopaque  
11 markers disposed thereon and spaced apart from each other, wherein one of  
12 said two markers is provided at a distal end of said catheter and said other  
13 marker is positioned proximally thereof,

14 [The combination of claim 29] wherein said radioopaque markers  
15 are disposed on said [core] wire and said [micro]catheter so that when[, in use,]  
16 said radioopaque marker provided at said distal end of said [micro]catheter is  
17 positioned at an opening of said body cavity to be occluded and said wire is [slid]  
18 telescopically disposed in said [micro]catheter to approximately align said [core]

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19 [core] wire's] wire's radioopaque marker with said [more proximal] marker provided at  
20 said distal end of said [micro]catheter [marker, said detachable elongate tip  
21 portion] is then fully deployed into said body cavity and said end of said elongate  
22 tip portion is disposed within said body cavity by approximately said  
23 predetermined distance.

1 32. (once amended) The combination of claim 31 wherein full  
2 deployment of said detachable elongate tip portion in said body cavity by said  
3 predetermined distance positions a coupling of said detachable elongate tip  
4 portion to said [core] wire approximately 2 - 3 mm past said opening of said body  
5 cavity.

1 33. (once amended) The combination of claim [26] 31 wherein said  
2 detachable elongate tip portion is a long and substantially pliable segment  
3 adapted to be multiply folded upon itself to substantially pack body cavity.

1 34. (once amended) The combination of claim [26] 31 wherein said  
2 detachable elongate tip portion is 4-40 cm in length.

1 36. (once amended) The combination of claim [26] 31 wherein said  
2 [core] wire and detachable elongate top portion are coupled by polyester.

1 37. (once amended) The combination of claim [26] 31 wherein said tip  
2 portion is detachable from said core wire by electrolytic disintegration of part of  
3 said wire.